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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Anthony C. Spearman et al.

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FOR: WIRELESS PROVISIONG DEVICE

EXAMINER: T. Nguyen

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, on **January 22, 2002**, in an envelope addressed to: US Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Tony D. Alexander

(Name of Applicant, Assignee, or Registered Representative)


Tony D. Alexander

January 22, 2002

(Date of Signature)

AMENDMENT AND RESPONSE

Dear Sir:

A Non-Final Office Action was mailed on **October 23, 2002**, in the above-referenced case, and time set to respond to that action is set to expire on **January 23, 2002**. Therefore, this response is timely filed.

In response to the above-referenced Office Action, please amend the application in the claims as follows (*support for the following claim amendments is found in the application specification at, e.g., page 3 line 18 through page 5 line 13; page 6 lines 2-18; page 19 line 13 through page 20 line 2; page 20 lines 3-16; page 20 line 19 through page 21 line 14; page 23 lines 11-23; and page 26 lines 3-13*):

1 1. (Amended) A wireless provisioning device for use in public
2 domain networks wherein the wireless provisioning device is accessible by a user of
3 mobile computing devices, comprising:
4 a chassis; ✓
5 at least one network card; ✓
6 at least one wireless card; ✓
7 at least one processor;
8 ✓ an operating system, the operating system operably configured in the chassis
9 to control the at least one network card, the at least one wireless card and the at
10 least one processor, which are operatively coupled with the chassis;
11 a packet-switched interface capable of receiving a multiplicity of inbound
12 framed packet-data to provide inbound packets and transmitting a multiplicity of
13 outbound framed packet-data comprising outbound packets;
14 a channeling controller, coupled to the packet-switched interface that
15 channels the inbound packets based on the inbound address information and [that]
16 constructs the outbound packets and channels the outbound packets with the
17 outbound address information, the channeling controller capable of being
18 effectively connected to at least one network via the operating system[.]; and
19 an authenticator in operative communication with the operating system to
20 allow authentication at the wireless provisioning device;
21 whereby the user of a mobile computing device connects to the wireless
22 provisioning device without having to first access the Internet.

1 7. (Amended) [The wireless provisioning device of claim 1,
2 wherein the open source UNIX based system is LINUX] A wireless provisioning device,
3 comprising:
4 a chassis;
5 at least one network card;
6 at least one wireless card;
7 at least one processor;
8 a[n] LINUX operating system, the operating system operably configured in the
9 chassis to control the at least one network card, the at least one wireless card and
10 the at least one processor;
11 a packet-switched interface capable of receiving a multiplicity of inbound
12 framed packet-data to provide inbound packets and transmitting a multiplicity of
13 outbound framed packet-data comprising outbound packets;

14 a channeling controller, coupled to the packet-switched interface that
15 channels the inbound packets based on the inbound address information and that
16 constructs the outbound packets and channels the outbound packets with the
17 outbound address information, the channeling controller capable of being
18 effectively connected to at least one network via the operating system.

1 8. (Amended) The wireless provisioning device of claim 1,
2 wherein the wireless provisioning device further comprises a second processor.

1 10. (Amended) A system for allowing users to securely access
2 public domain area networks via mobile computing devices, comprising:
3 a plurality of wireless access points;
4 at least one wireless provisioning device for receiving, authenticating,
5 transmitting, and directing data over a plurality of networks and capable of
6 sustaining connectivity between the wireless access points and the wireless
7 provisioning device, the wireless provisioning device comprising a chassis, at least one
8 network card, at least one wireless card, at least one processor, and at least one
9 operating system operably configured in the chassis and associated with at least one
10 of the plurality of wireless access points for transmitting and receiving data between
11 the wireless access point and a carrier structure and where the wireless provisioning
12 device is capable of accommodating multiple connections back to the wireless
13 access point without requiring rebooting before a new roaming member can be
14 added to the system;
15 a carrier structure communicably positioned between the wireless provisioning
16 device and the plurality of wireless access points for transmitting and receiving data
17 between the wireless provisioning device and the plurality of wireless access points by
18 means of a secure connections; and
19 a security authentication protocol, initiated by the wireless provisioning
20 device, capable of authenticating traffic as it passes through the carrier structure.

1 11. (Amended) The system of claim 10, wherein the wireless
2 provisioning device further comprises a directory services member operatively
3 connected to the operating system thereof, which is suitable for maintaining a
4 database directory that stores MAC addresses and billing profiles for those in the
5 system.

1 14. CANCEL

1 19. (Amended) [The system of claim 10, wherein the carrier
2 structure secure connection is a secure shell telnet connection] A system, comprising:
3 a plurality of wireless access points;
4 at least one wireless provisioning device for receiving, transmitting, and
5 directing data over a plurality of networks and capable of sustaining connectivity
6 between the wireless access points and the wireless provisioning device, the wireless
7 provisioning device comprising a chassis, at least one network card, at least one
8 wireless card, at least one processor, and at least one operating system operably
9 configured in the chassis and associated with at least one of the plurality of wireless
10 access points for transmitting and receiving data between the wireless access point
11 and a carrier structure and where the wireless provisioning device is capable of
12 accommodating multiple connections back to the wireless access point without
13 requiring rebooting before a new roaming member can be added to the system;
14 a carrier structure communicably positioned between the wireless provisioning
15 device and the plurality of wireless access points for transmitting and receiving data
16 between the wireless provisioning device and the plurality of wireless access points by
17 means of a secure shell telnet connection[s]; and
18 a security authentication protocol capable of authenticating traffic as it
19 passes through the carrier structure.

1 21. (Amended) The system of claim [10] 20, wherein the at least one
2 antenna is a 2.4Ghz antenna.

1 23. (Amended) [The system of claim 10, wherein the open
2 source UNIX based system is LINUX] A system, comprising:
3 a plurality of wireless access points;
4 at least one wireless provisioning device for receiving, transmitting, and
5 directing data over a plurality of networks and capable of sustaining connectivity
6 between the wireless access points and the wireless provisioning device, the wireless
7 provisioning device comprising a chassis, at least one network card, at least one
8 wireless card, at least one processor, and at least one LINUX operating system
9 operably configured in the chassis and associated with at least one of the plurality of
10 wireless access points for transmitting and receiving data between the wireless
11 access point and a carrier structure and where the wireless provisioning device is
12 capable of accommodating multiple connections back to the wireless access point
13 without requiring rebooting before a new roaming member can be added to the

15 a carrier structure communicably positioned between the wireless provisioning
16 device and the plurality of wireless access points for transmitting and receiving data
17 between the wireless provisioning device and the plurality of wireless access points by
18 means of a secure connections; and
19 a security authentication protocol capable of authenticating traffic as it
20 passes through the carrier structure.

1 24. (New) The wireless provisioning device of claim 1, wherein the
2 network card, the wireless card, the processor, the operating system, the packet-
3 switched interface, and the channel controller are operatively disposed within the
4 chassis of the wireless provisioning device.

1 25. (New) The wireless provision device of claim 24, wherein the
2 authenticator is operatively disposed within the chassis of the wireless provisioning
3 device.

1 26. (New) The wireless provisioning device of claim 1, wherein
2 bandwidth to individual user can be controlled by the wireless provisioning device
3 operating system.

1 27. (New) The wireless provisioning device of claim 1, wherein the
2 protocol type of an individual user can be controlled by the wireless provisioning
3 device operating system.

1 28. (New) The system of claim 20, wherein there is more than one
2 antenna and the user is capable of logging on and sustain connectivity with the
3 system while transitioning antennas.

1 29. (New) The system of claim 20, wherein the user is capable of
2 logging onto and sustaining connectivity with the system while transitioning access
3 points.